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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,398	01/02/2004	Atsushi Iwasaki	247259US90	2858
22850 7590 01/09/2007 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER PEREZ, JULIO R	
			ART UNIT	PAPER NUMBER
			2617	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		01/09/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

## Office Action Summary

**Application No.**

10/749,398

**Applicant(s)**

IWASAKI ET AL.

**Examiner**

Julio R. Perez

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 02 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2 is/are allowed.
- 6) ☒ Claim(s) 1 and 3-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/31/04/09/3/05</u> | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Objections*

1. Claim 11 is objected to because of the following informalities: On line 2, "manger" should be "manager". Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimizu et al (hereinafter Shimizu), 2002/0009066 in view of Watanabe et al. (hereinafter Watanabe), 2004/0203894.

Regarding claims 1, 3, 8, Shimizu discloses a mobile communications system including: a first local routing management apparatus that provides a first network and manages signal routing in the first network in which a mobile terminal is currently located (page 1, paragraph 19; page 2, paragraph 20; page 3, paragraph 71; page 4, paragraph 74); a second local routing management apparatus that provides a second network and manages signal routing in the second network in which a counterpart terminal communicating with the mobile terminal is currently located (page 2, paragraph 20; page 3, paragraph 71); and a home routing management apparatus that manages correspondence between a unique home address of the counterpart terminal and the second network, wherein the first local routing management apparatus comprises: a

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controller that acquires address information about the counterpart terminal from the second local routing management apparatus, via the home routing management apparatus, when the first local routing management apparatus does not have the address information (page 2, paragraph 20-24, 33; page 2, paragraph 20; page 3, paragraph 71, 73; page 2, paragraph 20; page 4, paragraph 79, 81).

What Shimizu does not specifically disclose is communication means that transmits the address information about the counterpart terminal to a router of a new cell in the first network, in response to a request from the router, when the mobile terminal moves into the new cell. In an analogous art, Watanabe remedies the deficiencies of Shimizu by disclosing such limitation (page 1, paragraph 12-13; page 3, paragraph 45-47, 49-50). Therefore, it would have been obvious to one of ordinary skill in the art to modify Shimizu to include Watanabe to implement the system with means to transmit terminal addresses to a distributor or router in order to request whenever the mobile moves from one cell to another.

Regarding claims 4, 9, Shimizu in view of Watanabe as applied above discloses wherein the communication means transmits the address information to the router before actual data are transmitted from the mobile terminal to the counterpart terminal (Watanabe, page 1, paragraph 12-13; page 3, paragraph 45-47, 49-50).

Regarding claim 5, Shimizu in view of Watanabe as applied above discloses wherein the controller creates a new entry for the address information of the counterpart terminal and records the entry in a table of sending packets (Shimizu, page 4, paragraph 79, 81).

Regarding claims 6, 7, 10, Shimizu discloses a home routing management apparatus (a local routing management apparatus) used in a mobile communications system including a first local routing management apparatus providing a first network and managing signal routing in the first network, and a second local routing management apparatus providing a second network and managing signal routing in the second network, the home routing management apparatus comprising: a controller that manages correspondence between a home address of a counterpart terminal and the second network in which the counterpart terminal currently exists, and acquires address information about the counterpart terminal from the second network upon receiving an inquiry from the first local routing management apparatus (page 2, paragraph 20-24, 33; page 2, paragraph 20; page 3, paragraph 71, 73; page 2, paragraph 20; page 4, paragraph 79, 81); updating, at the second local routing manager, the address information of the counterpart terminal based on a request from a second router of a new cell in the second network when the counterpart terminal moves into the new cell page 2, paragraph 20-24, 33; page 2, paragraph 20; page 3, paragraph 71, 73; page 2, paragraph 20; page 4, paragraph 79, 81; reporting the updated address information of the counterpart terminal to the first local routing manager; and instructing the first router to update the address information of the counterpart terminal page 2, paragraph 20-24, 33; page 2, paragraph 20; page 3, paragraph 71, 73; page 2, paragraph 20; page 4, paragraph 79, 81).

What Shimizu does not specifically disclose is and communication means that transmits the address information of the counterpart terminal to the first local routing

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apparatus in response to the inquiry and string address required to access the first local routing management apparatus:

In an analogous art, Watanabe remedies the deficiencies of Shimizu by disclosing such limitations (page 1, paragraph 12-13; page 3, paragraph 45-47, 49-50; page 3, paragraph 45). Therefore, it would have been obvious to one of ordinary skill in the art to modify Shimizu to include Watanabe to implement the system with means to transmit terminal addresses to a distributor or router in order to request whenever the mobile moves from one cell to another and to provide storage means to record addresses in order to access management nodes.

Regarding claim 11, Shimizu in view of Watanabe as applied above discloses further comprising the step of: storing, at the second local routing manger, an address required to access the first local routing manager (Watanabe, page 3, paragraph 45).

#### ***Allowable Subject Matter***

4. Claim 2 is allowed.

5. The following is an examiner's statement of reasons for allowance: Claims 1-23 are allowed because the closest prior art, Shimizu et al. (US 2002/0009066) and Watanabe (US 2004/0203894), either singularly or in combination, fail to anticipate or render obvious when the first routing management apparatus does not have the address information to store addresses required to access the first router and wherein the second local routing management apparatus comprising controlling updates the address information required to access the counterpart terminal when the counterpart

terminal moves into a new cell controlled by a second router in the second network and consequently communication means that reports the updated address information about the counterpart terminal to the first local routing management apparatus allowing the first local routing management apparatus to instruct the first router to update previously supplied address information about the counterpart terminal and storing an address required to access the first local routing management apparatus.

### ***Conclusion***

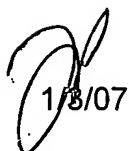
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio R. Perez whose telephone number is (571) 272-7846. The examiner can normally be reached on 10:30 - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William H. Trost can be reached on (571) 272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Julio R Perez  
Examiner  
Art Unit 2617

  
1/8/07



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